

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER STAN-340
		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/579,540
INTERNATIONAL APPLICATION NO. US2004/040879	INTERNATIONAL FILING DATE 12/6/2004	PRIORITY DATE CLAIMED December 5, 2003
TITLE OF INVENTION IDENTIFICATION, ISOLATION AND ELIMINATION OF CANCER STEM CELLS		
APPLICANT(S) FOR DO/EO/US CATRIONA HELEN M. JAMIESON LAURIE AILLES IRVING L. WEISSMAN		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input checked="" type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application, as amended:</p> <ol style="list-style-type: none"> <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). <input type="checkbox"/> has been communicated by the International Bureau. <input checked="" type="checkbox"/> was mailed to the United States Receiving Office(RO/US) on May 15, 2006 <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <ol style="list-style-type: none"> <input type="checkbox"/> is attached hereto. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <ol style="list-style-type: none"> <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). <input type="checkbox"/> have been communicated by the International Bureau. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. <input type="checkbox"/> have not been made and will not be made. <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
<p>Items 11 to 20 below concern document(s) or information included:</p> <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)	INTERNATIONAL APPLICATION NO.			ATTORNEY'S DOCKET NUMBER																																																																																																																																												
10/579,540	US2004/040879			STAN-340																																																																																																																																												
20. Other items or information: USPTO Credit Card Form 2038; Copy of Notification of Missing Requirements; return receipt postcard																																																																																																																																																
<table border="1"> <thead> <tr> <th colspan="2">The following fees have been submitted</th> <th>CALCULATIONS</th> <th colspan="2">PTO USE ONLY</th> </tr> </thead> <tbody> <tr> <td>21. <input type="checkbox"/> Basic national fee (37 CFR 1.492(a))</td> <td>.....\$300</td> <td>\$ 0.00</td> <td colspan="2"></td> </tr> <tr> <td>22. <input type="checkbox"/> Examination fee (37 CFR 1.492(c))</td> <td>.....\$0</td> <td>\$ 0.00</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">If the written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)</td> <td>\$0</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">All other situations</td> <td>\$200</td> <td colspan="2"></td> </tr> <tr> <td>23. <input type="checkbox"/> Search fee (37 CFR 1.492(b))</td> <td>.....\$0</td> <td>\$ 0.00</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">If the written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)</td> <td>\$0</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority</td> <td>\$100</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB</td> <td>\$400</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">All other situations</td> <td>\$500</td> <td colspan="2"></td> </tr> <tr> <td colspan="4">TOTAL OF 21, 22 and 23 =</td> <td>\$ 0.00</td> </tr> <tr> <td colspan="5"> <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.82(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. </td> </tr> <tr> <td>Total Sheets</td> <td>Extra sheets</td> <td>Number of each additional 50 or fraction thereof (round up to a whole number)</td> <td>RATE</td> <td></td> </tr> <tr> <td>- 100 =</td> <td>/50 =</td> <td></td> <td>X \$250</td> <td>\$</td> </tr> <tr> <td colspan="5">Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).</td> </tr> <tr> <td>CLAIMS</td> <td>NUMBER FILED</td> <td>NUMBER EXTRA</td> <td>RATE</td> <td>\$</td> </tr> <tr> <td>Total Claims</td> <td>- 20 =</td> <td></td> <td>X \$50</td> <td>\$</td> </tr> <tr> <td>Independent Claims</td> <td>- 3 =</td> <td></td> <td>X \$200</td> <td>\$</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ \$360</td> <td>\$</td> </tr> <tr> <td colspan="4">TOTAL OF ABOVE CALCULATIONS =</td> <td>\$ 130.00</td> </tr> <tr> <td colspan="5"> <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. </td> </tr> <tr> <td colspan="4">SUBTOTAL =</td> <td>\$ 65.00</td> </tr> <tr> <td colspan="5">Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).</td> </tr> <tr> <td colspan="4">TOTAL NATIONAL FEE =</td> <td>\$ 65.00</td> </tr> <tr> <td colspan="5">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property</td> </tr> <tr> <td colspan="4">TOTAL FEES ENCLOSED =</td> <td>\$ 65.00</td> </tr> <tr> <td colspan="4">03/14/2007 M AYPAGH 00000101 10579540</td> <td>Amount to be refunded: \$ 0.00</td> </tr> <tr> <td colspan="4">01 FC:2617 65.00 DP</td> <td>Amount to be charged: \$ 65.00</td> </tr> </tbody></table>					The following fees have been submitted		CALCULATIONS	PTO USE ONLY		21. <input type="checkbox"/> Basic national fee (37 CFR 1.492(a))\$300	\$ 0.00			22. <input type="checkbox"/> Examination fee (37 CFR 1.492(c))\$0	\$ 0.00			If the written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)		\$0			All other situations		\$200			23. <input type="checkbox"/> Search fee (37 CFR 1.492(b))\$0	\$ 0.00			If the written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)		\$0			Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority		\$100			International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB		\$400			All other situations		\$500			TOTAL OF 21, 22 and 23 =				\$ 0.00	<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.82(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		- 100 =	/50 =		X \$250	\$	Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).					CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	Total Claims	- 20 =		X \$50	\$	Independent Claims	- 3 =		X \$200	\$	MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$	TOTAL OF ABOVE CALCULATIONS =				\$ 130.00	<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.					SUBTOTAL =				\$ 65.00	Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).					TOTAL NATIONAL FEE =				\$ 65.00	Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property					TOTAL FEES ENCLOSED =				\$ 65.00	03/14/2007 M AYPAGH 00000101 10579540				Amount to be refunded: \$ 0.00	01 FC:2617 65.00 DP				Amount to be charged: \$ 65.00
The following fees have been submitted		CALCULATIONS	PTO USE ONLY																																																																																																																																													
21. <input type="checkbox"/> Basic national fee (37 CFR 1.492(a))\$300	\$ 0.00																																																																																																																																														
22. <input type="checkbox"/> Examination fee (37 CFR 1.492(c))\$0	\$ 0.00																																																																																																																																														
If the written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)		\$0																																																																																																																																														
All other situations		\$200																																																																																																																																														
23. <input type="checkbox"/> Search fee (37 CFR 1.492(b))\$0	\$ 0.00																																																																																																																																														
If the written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)		\$0																																																																																																																																														
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority		\$100																																																																																																																																														
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB		\$400																																																																																																																																														
All other situations		\$500																																																																																																																																														
TOTAL OF 21, 22 and 23 =				\$ 0.00																																																																																																																																												
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.82(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.																																																																																																																																																
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE																																																																																																																																													
- 100 =	/50 =		X \$250	\$																																																																																																																																												
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).																																																																																																																																																
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$																																																																																																																																												
Total Claims	- 20 =		X \$50	\$																																																																																																																																												
Independent Claims	- 3 =		X \$200	\$																																																																																																																																												
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$																																																																																																																																												
TOTAL OF ABOVE CALCULATIONS =				\$ 130.00																																																																																																																																												
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.																																																																																																																																																
SUBTOTAL =				\$ 65.00																																																																																																																																												
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).																																																																																																																																																
TOTAL NATIONAL FEE =				\$ 65.00																																																																																																																																												
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property																																																																																																																																																
TOTAL FEES ENCLOSED =				\$ 65.00																																																																																																																																												
03/14/2007 M AYPAGH 00000101 10579540				Amount to be refunded: \$ 0.00																																																																																																																																												
01 FC:2617 65.00 DP				Amount to be charged: \$ 65.00																																																																																																																																												

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

- a. A check in the amount of \$_____ to cover the above fees is enclosed.
- b. Please charge my Deposit Account No. 50-0815 in the amount of \$_____ to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. The Commissioner is hereby authorized to charge any additional fees (other than excess claim fees) which may be required, or credit any overpayment to Deposit Account No. 50-0815. A duplicate copy of this sheet is enclosed.
- d. Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Bozicevic, Field & Francis, LLP
1900 University Avenue, Suite 200
East Palo Alto
California
94303



Pamela J. Sherwood
SIGNATURE

Pamela J. Sherwood March 9, 2007
NAME

36,677
REGISTRATION NUMBER



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/579,540	Catriona Helen M. Jamieson	STAN-340

INTERNATIONAL APPLICATION NO.

PCT/US04/40879

I.A. FILING DATE	PRIORITY DATE
12/06/2004	12/05/2003

24353
 BOZICEVIC, FIELD & FRANCIS LLP
 1900 UNIVERSITY AVENUE
 SUITE 200
 EAST PALO ALTO, CA 94303

CONFIRMATION NO. 8494

371 FORMALITIES LETTER



OC000000021982185

Date Mailed: 01/16/2007

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- o Indication of Small Entity Status
- o Copy of the International Application filed on 05/15/2006
- o Preliminary Amendments filed on 05/15/2006
- o U.S. Basic National Fees filed on 05/15/2006
- o Priority Documents filed on 05/15/2006
- o Specification filed on 05/15/2006
- o Claims filed on 05/15/2006
- o Abstracts filed on 05/15/2006
- o Drawings filed on 05/15/2006

1/16/07
DO/EO/US
MP 3/16/07
9/16/07

RECEIVED

JAN 22 2007

Bozicevic, Field, & Francis

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- o Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- o To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is **\$65** for a Small Entity:

- \$65 Surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.

<https://spportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

FREDERICK SMITH

Telephone: (703) 308-9140 EXT 210

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/579,540	PCT/US04/40879	STAN-340

FORM PCT/DO/EO/905 (371 Formalities Notice)